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(71)Applicant : TOYOBO CO LTD

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(72)Inventor : MORII HIROYUKI
DANMOTO YOSHIHISA
MORIYA AKIRA

4) DOUBLY COVERED ELASTIC YARN

7)Abstract:

URPOSE: To provide doubly covered elastic yarn good in coverability even in a smaller twisting number than those of conventional doubly covered elastic yarns and excellent in durability, transparency, skin touch, elasticity and luster.

ONSTITUTION: In the doubly covered elastic yarn in which upper yarn and lower yarn comprising nylon 6 multifilaments, respectively, are wound on polyurethane core yarn in the same direction, the elastic yarn having a fineness D1 of 10-79 denier is selected, and the lower yarn and the upper yarn having finenesses D2 and D3 of 5-20 deniers, preferably the same ≤ 10 denier, respectively, and having a single filament fineness of 0.3-2.0 denier, preferably the same denier, are selected. The core yarn, the upper yarn and the lower yarn are subjected to a winding operation in an elastic yarn draft ratio DF of $2.0 \leq DF \leq 4.0$ to form the doubly covered elastic yarn having an upper yarn-winding number (m)/lower yarn-winding number ratio of 0.5-1.0 satisfying the equality.

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